

FORM PTO-1449

(Rev. 2-325)

AUG 20 2002

U.S. DEPARTMENT OF  
COMMERCE PATENT AND  
TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
A0000179/2-66-MGSERIAL NO.  
10/088,257APPLICANT  
FRANCOIS BERTELLI, ET AL.FILING DATE  
March 15, 2002GROUP  
1649

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AD	5 8 4 6 7 5 7	12/8/98	Harpold et al.	435	29	
↓	5 4 2 9 9 2 1	7/4/95	Harpold et al.	435	4	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AD	9 3 0 4 0 8 3	04.03.93	WO				x
↓	0 0 2 0 4 5 0	13.04.00	WO				x
	9 9 2 8 3 4 2	10.06.99	WO				x
	9 6 0 3 1 2 2	08.02.96	WO				x

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

AD	↓	PCT International Search Report, PCT/EP00/09136
		Hofmann et al., "Voltage-Dependent Calcium Channels: From Structure to Function", <u>Reviews of Physiology Biochemistry and Pharmacology</u> , Vol. 139, 1999, pages 33-87
		Witcher et al., "Characterization of the purified N-type Ca <sup>2+</sup> channel and the cation sensitivity of omega-conotoxin GVIA binding", <u>Neuropharmacology</u> , Vol. 32, No. 11, 1993, pages 1127-1139
		Brown and Gee, "Cloning and Deletion Mutagenesis of the $\alpha_{2\delta}$ Calcium Channel Subunit from Porcine Cerebral Cortex", <u>The Journal of Biological Chemistry</u> , Vol. 273, No. 39, 1998, pages 25458-25465
		Brown et al., "Isolation of the [ <sup>3</sup> H]Gabapentin-Binding Protein/ $\alpha_{2\delta}$ Ca <sup>2+</sup> Channel Subunit from Porcine Brain: Development of a Radioligand Binding Assay for $\alpha_{2\delta}$ Subunits Using [ <sup>3</sup> H]Leucine", <u>Analytical Biochemistry</u> , Vol. 255, No. 2, 1998, pages 236-243
		Wang et al., "Structural requirement of the calcium-channel subunit $\alpha_{2\delta}$ for gabapentin binding", <u>Biochemical Journal</u> , Vol. 342, No. 2, pages 313-320, 1999
		Gee et al., "The Novel Anticonvulsant Drug, Gabapentin (Neurontin), Binds to the $\alpha_{2\delta}$ Subunit of a Calcium Channel", <u>The Journal of Biological Chemistry</u> , Vol. 271, No. 6, 1996, pages 5768-5776
		Kowalski et al., "Effects of anti-calcium channel $\alpha_{2\delta}$ -subunit antibodies on calcium flux and 1,4-dihydropyridine binding", <u>Biochemical Society Transactions</u> , 1990, page 890
		Gurnett et al., "Extracellular Interaction of the Voltage-dependent Ca <sup>2+</sup> Channel $\alpha_{2\delta}$ and $\alpha_1$ Subunits", <u>The Journal of Biological Chemistry</u> , Vol. 272, No. 29, 1997, pages 18508-18512
		Gurnett et al., "Dual Function of the Voltage-Dependent Ca <sup>2+</sup> Channel $\alpha_{2\delta}$ Subunit in Current Stimulation and Subunit Interaction", <u>Neuron</u> , Vol. 16, 1996, pages 431-440

EXAMINER

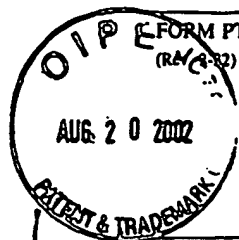
/Aditi Dutt

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FORM PTO-1449

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U.S. DEPARTMENT OF  
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A0000179/2-66-MGSERIAL NO.  
10/088,257

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APPLICANT  
FRANCOIS BERTELLI, ET AL.

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FILING DATE  
March 15, 2002

GROUP 1647

TECH CENTER 1600/2900

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

AD		Felix et al., "Dissection of Functional Domains of the Voltage-Dependent $Ca^{2+}$ Channel $\alpha_2\delta$ Subunit", <u>The Journal of Neuroscience</u> , Vol. 17, No. 18, 1997, pages 6884-6891
		Field et al., "Gabapentin (neurontin) and S-(+)-3-isobutylgaba represent a novel class of selective antihyperalgesic agents", <u>British Journal of Pharmacology</u> , Vol. 121, 1997, pages 1513-1522
		Klugbauer et al., "Molecular Diversity of the Calcium Channel $\alpha_2\delta$ Subunit", <u>The Journal of Neuroscience</u> , Vol. 19, No. 2, 1999, pages 684-691
		Tokumaru et al., "Purification of the cardiac 1,4-dihydropyridine receptor using immunoaffinity chromatography with a monoclonal antibody against the $\alpha_2\delta$ subunit of the skeletal muscle dihydropyridine receptor", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 227, 1992, pages 363-370
		Hill et al., "Localization of [ $^3H$ ]gabapentin to a novel site in rat brain: autoradiographic studies", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 244, 1993, pages 303-309
		Dissanayake et al., "Spermine modulation of specific [ $^3H$ ]gabapentin binding to the detergent-solubilized porcine cerebral cortex $\alpha_2\delta$ calcium channel subunit", <u>British Journal of Pharmacology</u> , Vol. 120, 1997, pages 833-840
		Brickley et al., "Use of site-directed antibodies to probe the topography of the $\alpha_2$ subunit of voltage-gated $Ca^{2+}$ channels", <u>FEBS Letters</u> , Vol. 364, 1995, pages 129-133
		Taylor et al., "Potent and stereospecific anticonvulsant activity of 3-isobutyl GABA relates to in vitro binding at a novel site labeled by tritiated gabapentin", <u>Epilepsy Research</u> , Vol. 14, 1993, pages 11-15
		Thurlow et al., "[ $^3H$ ]Gabapentin may label a system-L-like neutral amino acid carrier in brain", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 247, 1993, pages 341-345
		Suman-Chauhan et al., "Characterization of [ $^3H$ ]gabapentin to a novel site in rat brain: homogenate binding studies", <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> , Vol. 244, 1993, pages 293-301
		Ellis et al., "Sequence and Expression of mRNAs Encoding the $\alpha_1$ and $\alpha_2$ Subunits of a DHP-Sensitive Calcium Channel", <u>Science</u> , Vol. 241, 1988, pages 1661-1664
		De Jongh et al., "Subunits of Purified Calcium Channels", <u>The Journal of Biological Chemistry</u> , Vol. 265, No. 25, 1990, pages 14738-14741
		Jay et al., "Structural Characterization of the Dihydropyridine-sensitive Calcium Channel $\alpha_2$ -Subunit and the Associated $\delta$ Peptides", <u>The Journal of Biological Chemistry</u> , Vol. 266, No. 5, 1991, pages 3287-3293
		Wiser et al., "The $\alpha_2\delta$ subunit of voltage sensitive $Ca^{2+}$ channels is a single transmembrane extracellular protein which is involved in regulated secretion", <u>FEBS Letters</u> , Vol. 379, 1996, pages 15-20
		Brown et al., "Mechanisms of Action of Gabapentin", <u>Rev. Contemp. Pharmacother.</u> , Vol. 7, 1996, pages 203-214
		Holland et al., "A Nonseparation Microplate Receptor Binding Assay", <u>Analytical Biochemistry</u> , Vol. 222, 1994, pages 516-518

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**Compleat if Known**

<b>Application Number</b>	10/088,257
<b>Filing Date</b>	March 15, 2002
<b>First Named Inventor</b>	FRANCOIS BERTELLI
<b>Group Art Unit</b>	1649
<b>Examiner Name</b>	Aditi Dutt
<b>Attorney Docket Number</b>	A0000179/2-01-EJB

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Sheet 1 of 1

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Examiner Signature	/Aditi Dutt	Date Considered	08/22/2006
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